

BOBBY JINDAL
GOVERNOR



HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.:

Activity No.: 16865
Agency Interest No.: PER20070001

Mr. Isaac Joseph
President
7909 Parkwood Circle Dr
Houston, TX 77036

RE: National Oilwell Varco LP (owner) - Harvey Coating Facility
National Oilwell Varco LP, Harvey, Jefferson Parish, Louisiana

Dear Mr. Joseph:

This is to inform you that the permit modification request for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets, and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Also enclosed is a document entitled "General Information." Please be advised that this document contains a summary of facility-level information contained in LDEQ's TEMPO database and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Permit Support Services Division, at (225) 219-0075 or email your changes to facupdate@la.gov.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

The permit number cited below and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2009.

Permit No.: 1340-00233-02

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:AHG

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**National Oilwell Varco LP (owner) - Harvey Coating Facility
Agency Interest No.: 16865
National Oilwell Varco L.P.
Harvey, Jefferson Parish, Louisiana**

I. BACKGROUND

National Oilwell Varco L.P., National Oilwell Varco L.P. (owner) - Harvey Coating Facility, is an existing coating facility located at 1208 First Ave, in Harvey, Jefferson Parish. The plant owned and operated by AMF – Tuboscope, Inc., obtained Permit No. 680 issued February 15, 1977. A modification allowing the use waterborne coating was approved and Permit No. 1776T was granted to Tubscope Vetco International, Inc., on November 9, 1982. A compliance plan identifying and limiting the emissions of air toxics and requiring the installation of a Nordson external coater was approved January 23, 1995, under Certification of Compliance No.: CC92090. A request to modify the permit was approved and Permit No. 1340-00233-01 was issued July 05, 1995.

Tuboscope Corporation merged with Varco International in 2000 to form Varco, L.P. and Tuboscope, a Division of Varco, L.P., and submitted a modification and a request to obtain an initial Part 70 permit. The modification consisted of the addition of a new water-based external coating station, a new pre-prime coating gun, a new custom coating gun, a powder coating operation, an inspection and reclamation operations, and the removal of one spray paint booth and the diesel tank. The request was approved and the facility's initial Part 70 Operating Permit No.: 1340-00233-V0 was issued August 15, 2002, under which the facility is currently operating.

A name change for the company from Tuboscope Vetco International, Inc. to Tuboscope, A Varco, L.P. Company was approved effective October 15, 2003.

A request to replace the existing 3.5 MM BTU/hr final baking oven with a new 4.0 MM BTU/hr oven was approved September 29, 2006, under a Case by Case Insignificant Activity.

A request to merge National Oilwell with Varco, L.P. to form National Oilwell Varco L.P. (NOV LP) was approved on May 16, 2006. Tubscope operated as a Division of NOV LP.

A request to replace all use of solvent-based external coatings with water-based coatings and replace the enclosed applicator with a like-kind replacement was approved October 2, 2006, under a letter of no Objection, Case by Case Insignificant Activity.

This is the facility's initial synthetic minor permit.

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LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**National Oilwell Varco LP (owner) - Harvey Coating Facility
Agency Interest No.: 16865
National Oilwell Varco L.P.
Harvey, Jefferson Parish, Louisiana**

II. ORIGIN

A permit application and Emission Inventory Questionnaire (EIQ) dated February 14, 2007 were received requesting a permit. Additional information dated March 14, 2007 and January 23, 2009, was also received. A revised application for an initial synthetic minor permit dated February 23, 2009, as well as additional information dated March 24, and May 12, June 11, June 17, June 18, and September 16 was received. A final revision dated September 22, 2009 was also received.

III. DESCRIPTION

The Harvey Coating Plant is an existing facility designed to apply specialty coatings to metal oilfield tubular products. The pipe coating process includes pre-baking, abrasive cleaning, internal coating, intermediate and final baking, exterior coating, and inspection and reclamation operations. Coating equipment for pipes include two solvent cleaning stations, two thermal pickle ovens, four abrasive cleaning units, two line coating stations, two intermediate bake ovens, one final bake oven, and an exterior coating station.

The basic process at the coating plant involves pre-baking pipe at 750 °F in the thermal pickle oven (EPNs O1 and O2) to remove spent coatings, drilling muds, and other residue. The ovens are indirectly fired by natural gas burners. Residues after the pre-baking process are removed during the abrasive blasting cleaning step. During the abrasive cleaning process which takes place in the Sandblast Cabinet (EPNs B1 and B2), a blast lance with a blast head is inserted into the tube and cleans the full length of the tube internally with a mixture of 125 psi air and an abrasive material (aluminum oxide). The ends and threads of the tube are then cleaned manually in the Endblast Cabinets (EPNs B3 and B4). The emissions from the abrasive cleaning are vented to cyclones and bag filters. The interior of the pipe is then coated with a primer at the liquid coating stations (EPNs C1 and C2) followed by customer selected application coatings and dried after each coating in the intermediate bake ovens (EPNs O3 and O4). The final bake oven (EPN O9) completes the coating process at 450 °F by polymerizing the multiple coats into one homogeneous coat. After final inspection and external coating with a rust inhibitor, the finished pipe is stored in the yard before shipment to the customer.

The industrial coatings section of the plant processes couplings, valves, short lengths of pipe, and other small specialty items. Equipment in this section includes one cleaning station, one thermal pickle oven, one abrasive cleaning station, one spray paint booth, one powder coating station, one intermediate/final bake oven, and one coupling oven.

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**National Oilwell Varco LP (owner) - Harvey Coating Facility
Agency Interest No.: 16865
National Oilwell Varco L.P.
Harvey, Jefferson Parish, Louisiana**

Valves and small pieces of pipe receive liquid coating according to the customer's specifications. These pieces are cleaned at the cleaning stations (EPNs S1 and S2). Residue is removed in the pickle oven (EPN O6) and is removed at the abrasive cleaning station (EPN B5). Particulate emissions from the abrasive cleaning station are released after venting to the dust collectors. Small parts and short pipe are sent through a spray booth (EPN C3) where the coating is applied and then sent through the Intermediate/Final Bake Oven (EPNs O7 and O9) to dry the coating onto the pipe parts. Like the pipe, the small parts and short pipe pieces are inspected and stored in the yard before shipment to the customer. Couplings are coated with powder (EPN P1) and heated in the coupling oven (EPN O8) to bind the coating evenly. Finally, the couplings receive a corrosion inhibiting coating, and after final inspection are stored in the yard before shipment to the customer.

The Harvey Coating Plant also operates an inspection and reclamation process. Equipment in this section includes solvent cleaning stations (INSP-1 and INSP-2), a thread protection cleaning station (INSP-3), and a pipe inspection station using black light technology (INSP-5).

The operations at S1 (Solvent Cleaning #1), S2 (Solvent Cleaning #2), INSP-1 (Pipe Thread Cleaner #1), INSP-2 (Pipe Thread Cleaner #2), INSP-3 (Thread Protector Cleaner), INSP-4 (General Solvent Usage), and INSP-5 (Black Light Inspection) will not use any organic solvents that are considered photochemically reactive, as defined in LAC 33:III.2123.B.1.

Coatings that may contain target hazardous air pollutants (HAP) at the liquid coating stations C1 and C2, C, Pre-prime at coating station C5, and at the exterior coating station X1 are applied with automated spray coating equipment and as such 40 CFR 63, Subpart HHHHH does not apply.

National Oilwell Varco, L.P., proposes the following changes for its Harvey Coating Plant:

1. Establish a federally enforceable condition which will render the facility a minor source and its permit a synthetic minor permit,
2. Replace Oven O5 with a new oven, Emission Point 09,
3. Combine the emissions from the coating stations and activities and the ovens under one emission cap, OVEN-COATCAP,

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**National Oilwell Varco LP (owner) - Harvey Coating Facility
Agency Interest No.: 16865
National Oilwell Varco L.P.
Harvey, Jefferson Parish, Louisiana**

4. Cap the facility's total hazardous air pollutants (HAPs) and the total toxic air pollutant (TAPs) emissions, and
5. Update emissions from various sources using more accurate data and calculation methods.

Emission sources in the plant include solvent degreasing stations; thread protector cleaner (inspection); pipe inspection; general solvent usage (reclamation); ovens; abrasive cleaning; internal coating and paint booth; external coating; tubular powder coating station; and storage tanks.

Estimated emissions from this facility in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	36.16	37.14	+ 0.98
SO ₂	0.11	0.95	+ 0.84
NO _x	28.00	28.29	+ 0.29
CO	13.14	13.32	+ 0.18
VOC	86.99	87.02	+ 0.03
TAPs	42.63 ¹	42.63 ²	-

¹Current CAP of toxic air pollutants (TAPs).

²Toxic air pollutants (TAPs) CAP that includes a 24.500 tons Cap of hazardous air pollutants (HAPs).

LAC 33:III Chapter 51 Typical Toxic Air Pollutants (TAPs):

VOC LAC 33:III Chapter 51 Typical TAPs

Pollutant	Before	After	Change
Butyl Cellosolve Glycol ethers (Table 51.3)	4.740	4.940	+ 0.200
n-Butyl Alcohol	9.350	38.154	+ 28.804
Diethylene Glycol Butyl Ether (DGBE) Glycol ethers (Table 51.1)	1.000	9.321	+ 8.321
Formaldehyde	0.000	0.646	+ 0.646
Methanol	1.000	2.786	+ 1.786
Methyl Ethyl Ketone	9.940	31.270	+ 22.330

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**National Oilwell Varco LP (owner) - Harvey Coating Facility
Agency Interest No.: 16865
National Oilwell Varco L.P.
Harvey, Jefferson Parish, Louisiana**

LAC 33:III Chapter 51 Typical Toxic Air Pollutants (TAPs):

Methyl Isobutyl Ketone	7.300	9.900	+ 2.600
Phenol	0.000	7.694	+ 7.694
Toluene	7.840	9.900	- 2.060
Xylene	8.230	0.325	- 7.905

Non-VOC LAC 33.III Chapter 51 TAPs

Ammonia	0.300	0.210	- 0.090
Chromium VI (and compounds)	0.000	0.0019	+ 0.0019
Total	42.63 ¹	42.630 ²	-

¹Current CAP of toxic air pollutants (TAPs).

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IV. TYPE OF REVIEW

This permit was reviewed for compliance with Louisiana Air Quality Regulations and National Emission Standards for Hazardous Air Pollutants (NESHAP). New Source Performance Standards (NSPS) and Prevention of Significant Deterioration (PSD) do not apply.

This facility is a major source of LAC 33:III.Chapter 51 Toxic Air Pollutants (TAPs).

Class I, II, and III TAPs are emitted from the Harvey Coating Facility above their Minimum Emission Rate (MER). All sources which emit any Class I or Class II TAPs for which the MER has been met or exceeded on a facility-wide basis must meet Maximum Achievable Control Technology (MACT) according to LAC 33:III.5109.A. MACT is determined to be LAC 33:III.2123.

V. PUBLIC NOTICE

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2009; and in *The Times Picayune*, New Orleans, on <date>, 2009. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

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AIR PERMITS DIVISION
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**National Oilwell Varco LP (owner) - Harvey Coating Facility
Agency Interest No.: 16865
National Oilwell Varco L.P.
Harvey, Jefferson Parish, Louisiana**

VI. EFFECTS ON AMBIENT AIR

Emissions associated with the proposed modification were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

VIII. INSIGNIFICANT ACTIVITIES

ID No.:	Description	Citation
T6	1000- gallon Diesel Storage Tank	LAC 33:III.501.B.5.A.3

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LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**National Oilwell Varco LP (owner) - Harvey Coating Facility
Agency Interest No.: 16865
National Oilwell Varco L.P.
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National Oilwell Varco L.P.
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National Oilwell Varco LP (owner) - Harvey Coating Facility
Agency Interest No.: 16865
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V. PUBLIC NOTICE

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**National Oilwell Varco LP (owner) - Harvey Coating Facility
Agency Interest No.: 16865
National Oilwell Varco L.P.
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VI. EFFECTS ON AMBIENT AIR

Emissions associated with the proposed modification were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

VIII. INSIGNIFICANT ACTIVITIES

ID No.:	Description	Citation
T6	1000- gallon Diesel Storage Tank	LAC 33:III.501.B.5.A.3

General Information

AI ID: 16865 National Oilwell Varco LP (owner) - Harvey Coating Facility
Activity Number: PER2007001
Permit Number: 1340-00233-02
Air - Minor (Synthetic) Initial

Also Known As:	ID	Name	User Group	Start Date
	1340-00233	CDS Number	CDS Number	08-15-2002
LAD980622138		Tuboscope Harvey Coating Facility	Hazardous Waste Notification	08-18-1980
LAR05M068		LPDES #	LPDES Permit #	05-22-2003
LAR05N385		LPDES #	LPDES Permit #	07-11-2003
National Oilwell Varco LP (owner) - Harvey Coating Facility			Multimedia	01-02-2006
Tuboscope A National Oilwell Varco LP Co (operator) - Harvey Coating Facility			Multimedia	01-02-2006
Tuboscope Vetcro International Coating Facility		TEMPO Merge		07-20-2004
43650		TRI #	Toxic Release Inventory	07-14-2004
70058-HRVYC12081		UST Facility ID (from UST legacy data)	UST FID #	10-11-2002
Physical Location:	1208 First Ave Harvey, LA 70058		Main FAX: Main Phone:	7137995303 7137995593
PO Box 808	Houston, TX 770510808			
Location of Front Gate:	30.888333 latitude, -90.0975 longitude, Coordinate Method: Lat/Long - DMS, Coordinate Datum: NAD83			
Related People:	Name	Mailing Address	Phone (Type)	Relationship
Buddy Hotard		1844 Hwy 662 N Amelia, LA 77036	BUDDYHOTARD@!	Emission Inventory Contact for
Buddy Hotard		1844 Hwy 662 N Amelia, LA 77036	9856311873 (WP)	Emission Inventory Contact for
Isaac Joseph		7909 Parkwood Circle Dr Houston, TX 77036	7133733700 (WP)	Responsible Official for
Debbie Peters			(713) 799-5533 (WP)	Underground Storage Tank Contact for
Related Organizations:	Name	Address	Phone (Type)	Relationship
National Oilwell Varco LP		PO Drawer 1349 Amelia, LA 703401349	7137995303 (WF)	Air Billing Party for
National Oilwell Varco LP		PO Drawer 1349 Amelia, LA 703401349	7137995303 (WF)	Emission Inventory Billing Party
National Oilwell Varco LP		PO Drawer 1349 Amelia, LA 703401349	7137995593 (WF)	Emission Inventory Billing Party
National Oilwell Varco LP		PO Drawer 1349 Amelia, LA 703401349	7137995593 (WF)	Owns
National Oilwell Varco LP		PO Drawer 1349 Amelia, LA 703401349	7137995593 (WF)	Owns
National Oilwell Varco LP		PO Drawer 1349 Amelia, LA 703401349	7137995593 (WF)	Air Billing Party for
Tuboscope A National Oilwell Varco LP Co		PO Box 808 Houston, TX 770510808	7137995593 (WF)	Operates
Tuboscope A National Oilwell Varco LP Co		PO Box 808 Houston, TX 770510808	7137995303 (WF)	Operates
Varco LP		PO Box 1879 Manero, LA 770731879	7137995593 (WF)	Formerly owned

General Information

AI ID: 16865 National Oilwell Varco LP (owner) - Harvey Coating Facility
Activity Number: PER20070001
Permit Number: 1340-00233-02
Air - Minor (Synthetic) Initial

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit.
Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms.
Tommie Milam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 16865 - National Oilwell Varco LP (owner) - Harvey Coating Facility
Activity Number: PER20070001
Permit Number: 1340-00233-02
Air - Minor (Synthetic) Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time*
Harvey Coating Plant						
ARE 0003	C1 - Liquid Coating Station #1		70 (other units)		Liquid paint	8760 hr/yr
ARE 0004	C2 - Liquid Coating Station #2		70 (other units)		Liquid paint	8760 hr/yr
ARE 0005	C5 - Pre-Prime Coating		65 (other units)		Liquid paint	8760 hr/yr
ARE 0006	C6 - Custom Liquid Coating		65 (other units)		Liquid paint	8760 hr/yr
ARE 0007	X1 - Exterior Coating (LCX1)		120 (other units)		Liquid paint	8760 hr/yr
ARE 0008	S1 - Solvent Degreasing #1		70 (other units)		Solvent	8760 hr/yr
ARE 0009	S2 - Solvent Degreasing #2		70 (other units)		Solvent	8760 hr/yr
ARE 0010	S3 - General Solvent Usage				Solvent	8760 hr/yr
ARE 0011	INSP-1 - Pipe Thread Cleaner #1		9288 gallons/yr		Solvent	8760 hr/yr
ARE 0012	INSP-2 - Pipe Thread Cleaner #2		9288 gallons/yr		Solvent	8760 hr/yr
ARE 0013	INSP-3 - Thread Protector Cleaner		3096 gallons/yr		Solvent	8760 hr/yr
ARE 0014	INSP-4 - General Solvent Usage		648 gallons/yr		Solvent	8760 hr/yr
ARE 0015	INSP-5 - Black Light Inspection (Isopar)		3600 gallons/yr		Solvent	8760 hr/yr
ARE 0016	P1 - Coupling Powder Coating Station		40 lb/hr		Powder paint	8760 hr/yr
ARE 0017	P2 - Tubular Powder Coating Station		160 lb/hr		Powder paint	8760 hr/yr
EQT 0006	T2 - 1000-gal TK Wash Tank	1000 gallons	3625 gallons/yr		Solvent	8760 hr/yr
EQT 0007	B1 - Blast Cabinet #1		40 (other units)	40 (other units)	Aluminum oxide	8760 hr/yr
EQT 0008	B2 - Blast Cabinet #2		40 (other units)	40 (other units)	Aluminum oxide	8760 hr/yr
EQT 0009	B3 - End Blast Cabinet #1		40 (other units)	40 (other units)	Aluminum oxide	8760 hr/yr
EQT 0010	B4 - End Blast Cabinet #2		40 (other units)	40 (other units)	Aluminum oxide	8760 hr/yr
EQT 0011	B5 - Coupling Blast Cabinet		150 (other units)	150 (other units)	Aluminum oxide	8760 hr/yr
EQT 0013	O1 - Thermal Pickle Oven #1		8 MM BTU/hr	8 MM BTU/hr	Natural gas	8760 hr/yr
EQT 0014	O2 - Thermal Pickle Oven #2		8 MM BTU/hr	8 MM BTU/hr	Natural gas	8760 hr/yr
EQT 0015	O3 - Intermediate Bake Oven #1		2 MM BTU/hr	2 MM BTU/hr	Natural gas	8760 hr/yr
EQT 0016	O4 - Intermediate Bake Oven #2		7 MM BTU/hr	7 MM BTU/hr	Natural gas	8760 hr/yr
EQT 0017	O5 - Intermediate Final Bake Oven #1		3.5 MM BTU/hr	3.5 MM BTU/hr	Natural gas	8760 hr/yr
EQT 0018	O7 - Intermediate Final Bake Oven #2		3.5 MM BTU/hr	3.5 MM BTU/hr	Natural gas	8760 hr/yr
EQT 0019	O8 - Coupling Oven		2 MM BTU/hr	2 MM BTU/hr	Natural gas	8760 hr/yr
EQT 0020	C3 - Paint Booth #1		65 (other units)	65 (other units)	Liquid paint	8760 hr/yr
EQT 0021	O9 - Final Bake Oven		4 MM BTU/hr	4 MM BTU/hr	Natural gas	8760 hr/yr
EQT 0022	T3 - 500-gal Naphtha/Mineral Spirits Tank	500 gallons	667.5 gallons/yr		Solvent	8760 hr/yr
EQT 0023	T4 - 500-gal Gasoline Tank	500 gallons	10000 gallons/yr		Gasoline	8760 hr/yr
EQT 0024	T5 - Naphtha/Mineral Spirits Tank	1000 gallons	13030 gallons/yr		Solvent	8760 hr/yr
Stack Information:						
ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)
Harvey Coating Plant						
Temperature (°F)						

INVENTORIES

AI ID: 16865 - National Oilwell Varco LP (owner) - Harvey Coating Facility
Activity Number: PER20070001
Permit Number: 1340-00233-02
Air - Minor (Synthetic) Initial

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
Harvey Coating Plant							
EQT 0006	T2 - 1000-gal TK Wash Tank					5	77
EQT 0007	B1 - Blast Cabinet #1	46	11000	4	25	70	
EQT 0008	B2 - Blast Cabinet #2	46	11000	4	25	70	
EQT 0009	B3 - End Blast Cabinet #1	46	11000	4	25	70	
EQT 0010	B4 - End Blast Cabinet #2	46	11000	4	25	70	
EQT 0011	B5 - Coupling Blast Cabinet	1	1000	6	8	70	
EQT 0013	O1 - Thermal Pickle Oven #1	58.3	2700	1	35	600	
EQT 0014	O2 - Thermal Pickle Oven #2	58.3	2700	1	35	600	
EQT 0015	O3 - Intermediate Bake Oven #1	58.3	1300	.7	35	200	
EQT 0016	O4 - Intermediate Bake Oven #2	58.3	1300	.7	35	200	
EQT 0017	O6 - Intermediate Final Bake Oven #1	41.7	960	.7	35	600	
EQT 0018	O7 - Intermediate Final Bake Oven #2	41.7	960	.7	35	300	
EQT 0019	O8 - Coupling Oven	41.7	1500	.7	35	300	
EQT 0020	C3 - Paint Booth #1	33.3	14100	3	20	77	
EQT 0021	O9 - Final Bake Oven	41.7	1500	.7	35	300	
EQT 0022	T3 - 500-gal Naphtha/Mineral Spirits Tank					5	77
EQT 0023	T4 - 500-gal Gasoline Tank					5	77
EQT 0024	T5 - Naphtha/Mineral Spirits Tank					10	77

Relationships:**Subject Item Groups:**

ID	Group Type	Group Description
CRG 0001	Common Requirements Group	B-1-5 - Blasting Baghouses Reqs
CRG 0002	Common Requirements Group	C-12356 - Coating Stations C1, C2, C3, C5, and C6 Reqs
CRG 0003	Common Requirements Group	P-1-2 - Powder Coating Stations Reqs.
CRG 0004	Common Requirements Group	S-1-2-INSPECT1-5 - Solvent Cleaning Reqs
CRG 0005	Common Requirements Group	O-12669 - Ovens O1, O2, O6, O8, and O9 Reqs
CRG 0006	Common Requirements Group	O-347 - Ovens O3, O4, and O7 Reqs.
CRG 0007	Common Requirements Group	T-345 - Storage Tanks 2, 3, 4, and 5 Reqs.
GRP 0002	Equipment Group	B1-5 CAP - Blasting Cap
GRP 0003	Equipment Group	OVEN-COATCAP - Ovens, Coating and Cleaning Emissions Cap
GRP 0004	Equipment Group	INSPECTCAP - Inspection Stations Emissions Cap

INVENTORIES

AJ ID: 16865 - National Oilwell Varco LP (owner) - Harvey Coating Facility
 Activity Number: PER20070001
 Permit Number: 1340-00233-02
 Air - Minor (Synthetic) Initial

Subject Item Groups:

ID	Group Type	Group Description
GRP 0005	Equipment Group	POWCAP - Powder Coating Stations Emissions Cap
UNF 0001	Unit or Facility Wide	ENTIRE FACILITY - Harvey Coating Plant

Group Membership:

ID	Description	Member of Groups
ARE 0003	C1 - Liquid Coating Station #1	CRG0000000002, GRP0000000003
ARE 0004	C2 - Liquid Coating Station #2	CRG0000000002, GRP0000000003
ARE 0005	C5 - Pre-Prime Coating	CRG0000000002, GRP0000000003
ARE 0006	C6 - Custom Liquid Coating	CRG0000000002, GRP0000000003
ARE 0007	X1 - Exterior Coating (LCX1)	GRF0000000003
ARE 0008	S1 - Solvent Degreasing #1	CRG0000000004, GRP0000000003
ARE 0009	S2 - Solvent Degreasing #2	CRG0000000004, GRP0000000003
ARE 0010	S3 - General Solvent Usage	GRF0000000003
ARE 0011	INSP-1 - Pipe Thread Cleaner #1	CRG0000000004, GRP0000000004
ARE 0012	INSP-2 - Pipe Thread Cleaner #2	CRG0000000004, GRP0000000004
ARE 0013	INSP-3 - Thread Protector Cleaner	CRG0000000004, GRP0000000004
ARE 0014	INSP-4 - General Solvent Usage	CRG0000000004, GRP0000000004
ARE 0015	INSP-5 - Black Light Inspection (Isopar)	CRG0000000003, GRP0000000005
ARE 0016	P1 - Coupling Powder Coating Station	CRG0000000003, GRP0000000005
ARE 0017	P2 - Tubular Powder Coating Station	CRG0000000003, GRP0000000005
EQT 0006	T2 - 100-gal TK Wash Tank	CRG0000000007, GRP0000000003
EQT 0007	B1 - Blast Cabinet #1	CRG0000000001, GRP0000000002
EQT 0008	B2 - Blast Cabinet #2	CRG0000000001, GRP0000000002
EQT 0009	B3 - End Blast Cabinet #1	CRG0000000001, GRP0000000002
EQT 0010	B4 - End Blast Cabinet #2	CRG0000000001, GRP0000000002
EQT 0011	B5 - Coupling Blast Cabinet	CRG0000000005, GRP0000000003
EQT 0013	O1 - Thermal Pickle Oven #1	CRG0000000005, GRP0000000003
EQT 0014	O2 - Thermal Pickle Oven #2	CRG0000000006, GRP0000000003
EQT 0015	O3 - Intermediate Bake Oven #1	CRG0000000006, GRP0000000003
EQT 0016	O4 - Intermediate Bake Oven #2	CRG0000000006, GRP0000000003
EQT 0017	O6 - Intermediate Final Bake Oven #1	CRG0000000005, GRP0000000003
EQT 0018	O7 - Intermediate Final Bake Oven #2	CRG0000000006, GRP0000000003
EQT 0019	O8 - Coupling Oven	CRG0000000005, GRP0000000003
EQT 0020	C3 - Paint Booth #1	CRG0000000002, GRP0000000003
EQT 0021	O9 - Final Bake Oven	CRG0000000005, GRP0000000003
EQT 0022	T3 - 500-gal Naphtha/Mineral Spirits Tank	CRG0000000007
EQT 0023	T4 - 500-gal Gasoline Tank	CRG0000000007
EQT 0024	T5 - Naphtha/Mineral Spirits Tank	CRG0000000007

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

INVENTORIES

AI ID: 16865 - National Oilwell Varco LP (owner) - Harvey Coating Facility
Activity Number: PER29070001
Permit Number: 1340-00233-02
Air - Minor (Synthetic) Initial

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
1120	1120 Galvanizing and Pipe Coating Excluding All Other Activities		

SIC Codes:

3479	Metal coating and allied services	UNF 001
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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 16865 - National Oilwell Varco LP (owner) - Harvey Coating Facility
 Activity Number: PER20070001
 Permit Number: 1340-001233-02
 Air - Minor (Synthetic) Initial

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Harvey Coating Plant															
ARE 0003 C1															
ARE 0004 C2															
ARE 0005 C3															
ARE 0006 C8															
ARE 0007 x1															
ARE 0008 S1															
ARE 0009 S2															
ARE 0010 S3															
ARE 0011 INS-P-1															
ARE 0012 INS-P-2															
ARE 0013 INS-P-3															
ARE 0014 INS-P-4															
ARE 0015 INS-P-5															
ARE 0016 P1															
ARE 0017 P2															
EQT 0006 T2															
EQT 0007 B1															
EQT 0008 B2															
EQT 0009 B3															
EQT 0010 B4															
EQT 0011 B5															
EQT 0013 O1	0.64	0.64		1.36	1.36		0.06	0.06		0.05	0.05		0.04	0.04	
EQT 0014 O2															

EMISSION RATES FOR CRITERIA POLLUTANTS

AJ ID: 16865 - National Oilwell Varco LP (owner) - Harvey Coating Facility
 Activity Number: PER20070001
 Permit Number: 1340-00233-02
Air - Minor (Synthetic) Initial

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Harvey Coating Plant															
EQT 0015 03	0.16			0.34			0.01			0.01					12.15
EQT 0016 04	0.56			1.19			0.05			0.04					12.05
EQT 0017 06	0.28			0.60			0.03			0.02					0.02
EQT 0018 07	0.28			0.60			0.03			0.02					4.02
EQT 0019 08	0.16			0.34			0.01			0.01					0.01
EQT 0020 C3							0.01								2.67
EQT 0021 09	0.32			0.68			0.03			0.02					0.02
EQT 0022 T3														<0.01	2.43
EQT 0023 T4														0.03	8.51
EQT 0024 T5														0.01	4.86
GRP 0002 B1-S CAP							2.24		33.67						
GRP 0003 OVEN-COATCAP	3.04			13.32	6.46		28.29	0.34		1.47	0.22		0.95	14.74	64.56
GRP 0004 INSPECTCAP														5.10	22.32
GRP 0005 POWCAP										5.00	2.00				

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 16865 - National Oilwell Varco LP (owner) - Harvey Coating Facility
 Activity Number: PER20070001
 Permit Number: 1340-00233-02
 Air - Minor (Synthetic) Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
ARE 0003 C1	Formaldehyde		0.054	
	Methanol		0.576	
	Phenol		0.954	
	Xylene (mixed isomers)		0.018	
	n-butyl alcohol		5.058	
ARE 0004 C2	Formaldehyde		0.068	
	Glycol ethers (Table 51.1)		1.332	
	Methyl ethyl ketone		3.636	
	Methyl isobutyl ketone		1.836	
	Phenol		0.558	
	Toluene		1.656	
	Xylene (mixed isomers)		0.041	
ARE 0005 C5	n-butyl alcohol		2.250	
	Chromium VI (and compounds)		0.002	
	Formaldehyde		0.002	
	Methyl ethyl ketone		0.333	
	Phenol		0.018	
ARE 0006 C8	n-butyl alcohol		0.708	
	Formaldehyde		0.045	
	Glycol ethers (Table 51.1)		1.110	
	Methanol		0.480	
	Methyl ethyl ketone		3.495	
	Methyl isobutyl ketone		1.620	
	Phenol		0.795	
	Toluene		1.380	
ARE 0007 X1	Xylene (mixed isomers)		0.015	
	n-butyl alcohol		4.215	
	Ammonia		0.840	
ARE 0010 S3	Glycol ethers (Table 51.3)		20.200	
	n-butyl alcohol		0.000	
	Methyl ethyl ketone		2.05	
EQT 0015 O3	Toluene		2.05	
	Formaldehyde		0.084	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 16865 - National Oilwell Varco LP (owner) - Harvey Coating Facility
 Activity Number: PER20070001
 Permit Number: 1340-00233-02
 Air - Minor (Synthetic) Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0015 O3	Methanol		0.864	
	Methyl ethyl ketone		0.499	
	Phenol		1.458	
	Xylene (mixed isomers)		0.027	
	n-butyl alcohol		8.649	
EQT 0016 O4	Formaldehyde		0.103	
	Glycol ethers (Table 51.1)		1.998	
	Methyl ethyl ketone		5.454	
	Methyl isobutyl ketone		2.754	
	Phenol		0.837	
	Toluene		2.484	
	Xylene (mixed isomers)		0.062	
	n-butyl alcohol		3.375	
EQT 0018 O7	Formaldehyde		0.034	
	Glycol ethers (Table 51.1)		0.666	
	Methanol		0.288	
	Methyl ethyl ketone		2.097	
	Methyl isobutyl ketone		0.972	
	Phenol		0.477	
	Toluene		0.828	
	Xylene (mixed isomers)		0.021	
EQT 0020 C3	n-butyl alcohol		2.529	
	Formaldehyde		0.023	
	Glycol ethers (Table 51.1)		0.444	
	Methanol		0.192	
	Methyl ethyl ketone		1.398	
	Methyl isobutyl ketone		0.648	
	Phenol		0.318	
	Toluene		0.552	
GRP 0003 OVEN-COATCAP	Xylene (mixed isomers)		0.014	
	n-butyl alcohol		1.686	
GRP 0003 OVEN-COATCAP	Ammonia	0.048		0.210
	Chromium VI (and compounds)	0.0004		0.0019

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 16865 - National Oilwell Varco LP (owner) - Harvey Coating Facility
 Activity Number: PER20070001
 Permit Number: 1340-00233-02
 Air - Minor (Synthetic) Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0003 OVEN-COATCAP	Formaldehyde	0.148		0.646
	Glycol ethers (Table 51.1)	2.128		9.321
	Glycol ethers (Table 51.3)	1.128		4.940
	Methanol	0.636		2.786
	Methyl ethyl ketone	7.139		31.270
	Methyl isobutyl ketone	2.260		9.900
	Phenol	1.757		7.694
	Toluene	2.260		9.900
	Xylene (mixed isomers)	0.074		0.325
	n-butyl alcohol	8.711		38.154
UNF 0001 ENTIRE FACILITY	Ammonia			0.210
	Chromium VI (and compounds)			0.0019
	Formaldehyde			0.646
	Glycol ethers (Table 51.1)			9.321
	Glycol ethers (Table 51.3)			4.940
	Methanol			2.786
	Methyl ethyl ketone			31.270
	Methyl isobutyl ketone			9.900
	Phenol			7.694
	Toluene			9.900
	Xylene (mixed isomers)			0.325
	n-butyl alcohol			38.154

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

Emission Rates Notes:

GRP 0003	Chromium VI (and compounds)	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
GRP 0003	Formaldehyde	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
GRP 0003	Methanol	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
GRP 0003	Methyl isobutyl ketone	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
GRP 0003	Phenol	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
GRP 0003	Toluene	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 16865 - National Oilwell Varco LP (owner) - Harvey Coating Facility
Activity Number: PER20070001
Permit Number: 1340-00233-02
Air - Minor (Synthetic) Initial

GRP 0003			Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
GRP 0003	Xylene (mixed isomers)	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
UNF 0001	Ammonia	Tons/Year	Represents a typical emitted TAP and its corresponding potential annual emissions within the facility's total TAPs Cap. Which Months: All Year
UNF 0001	Chromium VI (and compounds)	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
UNF 0001	Formaldehyde	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
UNF 0001	Glycol ethers (Table 51.1)	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
UNF 0001	Glycol ethers (Table 51.3)	Tons/Year	Represents a typical emitted TAP and its corresponding potential annual emissions within the facility's total TAPs Cap. Which Months: All Year
UNF 0001	Methanol	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
UNF 0001	Methyl ethyl ketone	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
UNF 0001	Methyl isobutyl ketone	Tons/Year	Represents a typical emitted TAP and its corresponding potential annual emissions within the facility's total TAPs Cap. Which Months: All Year
UNF 0001	Phenol	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
UNF 0001	Toluene	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
UNF 0001	Xylene (mixed isomers)	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
UNF 0001	n-butyl alcohol	Tons/Year	Represents a typical emitted TAP and its corresponding potential annual emissions within the facility's total TAPs Cap. Which Months: All Year

SPECIFIC REQUIREMENTS

AI ID: 16865 - National Oilwell Varco LP (owner) - Harvey Coating Facility
 Activity Number: PER20070001
 Permit Number: 1340-00233-02
 Air - Minor (Synthetic) Initial

ARE 0007 X1 - Exterior Coating (LCX1)

- Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
- VOC, Total: Permittee shall use only coating and cleaning materials compliant with the applicable limits as specified in LAC 33:III.C.11. Determine compliance with LAC 33:III.2123.A, C, and D by applying the test methods specified in LAC 33:III.2123.E.1 through E.6, as appropriate.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2123.F.2 to verify compliance with LAC 33:III.2123. Maintain records for at least two years.
- Emiss Class III TAP only. Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

ARE 0010 S3 - General Solvent Usage

- VOC, Total: Use compliant materials as specified.
- VOC, Total: Permittee shall use only coating and cleaning materials compliant with the applicable limits as specified in LAC 33:III.C.11. Determine compliance with LAC 33:III.2123.A, C, and D by applying the test methods specified in LAC 33:III.2123.E.1 through E.6, as appropriate.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4, to verify compliance with LAC 33:III.2123. Maintain records for at least two years.
- Emiss Class III TAP only. Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

CRG 0001 B-1-5 - Blasting Baghouses Reqs

Group Member: EQT 0007EQT 0009EQT 0010EQT 0011

- Do not use material derived from hazardous, toxic, medical, and/or municipal waste as abrasive material.
- Particulate matter fines < 10 % by weight of the abrasive that would pass through a No. 80 sieve as documented by the supplier. If supplier documentation is not provided for weight percent of fines in abrasive material, take samples according to ASTM Standard ASTM D 75-87, reapproved 1992, before initial use.
- Which Month: All Year Statistical Basis: None specified
- Do not reuse abrasives for abrasive blasting unless they meet the requirements of LAC 33:III.1327.A.2.
- Fully enclose the item, or surround the structure, to be blasted.
- Re-circulate blast cabinet exhaust to the cabinet or vent to emission control equipment.
- Exhaust the collection system through effective control equipment with a particulate matter outlet grain loading of 0.05 gr/dscf or less, as documented by the control equipment manufacturer or demonstrated by performance testing.
- Ensure that abrasive blasting activities do not create a nuisance.

SPECIFIC REQUIREMENTS

AI ID: 16865 - National Oilwell Varco LP (owner) - Harvey Coating Facility
 Activity Number: PER20070001
 Permit Number: 1340-00233-02
 Air - Minor (Synthetic) Initial

CRG 0001 B-1-5 - Blasting Baghouses Reqs

- Maintain stockpiles of new and/or spent abrasive material in a manner that will minimize fugitive airborne emissions.
- 18 [LAC 33:III.1329.G]
 19 [LAC 33:III.1329.H]
- Use and diligently maintain all emission control equipment in proper working order according to the manufacturer's specifications whenever any emissions are being generated that can be controlled by the facility, even if the ambient air quality standard in affected areas are not exceeded.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.1333.A.1 through A.7 on the facility premises at all times. Present them to an authorized representative of DEQ upon request.
- 20 [LAC 33:III.1333]
- Maintain records on a 36 month rolling basis.
- Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Particulate matter (10 microns or less) $\leq 0.025 \text{ gr/dscf}$.
- 21 [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 22 [LAC 33:III.501.C.6]
- Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
- 23 [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
- 24 [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 25 [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified

CRG 0002 C-12356 - Coating Stations C1, C2, C3, C5, and C6 Reqs

Group Members: ARE 0003 ARE 0004 ARE 0005 ARE 0006 EQT 0020

- Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
- 26 [LAC 33:III.1305]
- 27 [LAC 33:III.2123.C.11]
- 28 [LAC 33:III.2123.E]
- VOC, Total: Permittee shall use only coating and cleaning materials compliant with the applicable limits as specified in LAC 33:III.C.11. Determine compliance with LAC 33:III.2123.A, C, and D by applying the test methods specified in LAC 33:III.2123.E.1 through E.6, as appropriate.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years.
- Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
- MACT is determined to be use of compliant materials as specified in LAC 33:III.2123.C.11.b.

CRG 0003 P-1-2 - Powder Coating Stations Reqs.

SPECIFIC REQUIREMENTS

AI ID: 16865 - National Oilwell Varco LP (owner) - Harvey Coating Facility
 Activity Number: PER20070001
 Permit Number: 1340-00233-02
 Air - Minor (Synthetic) Initial

CRG 0003 P-1-2 - Powder Coating Stations Reqs.

Group Members: ARE 0016 ARE 0017

- 32 [LAC 33:III.131.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
 Which Months: All Year Statistical Basis: None specified
- 33 [LAC 33:III.501.C.6] Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 34 [LAC 33:III.501.C.6] Particulate matter (10 microns or less) <= 0.025 gr/dscf.
 Which Months: All Year Statistical Basis: None specified
- 35 [LAC 33:III.501.C.6] Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
 Which Months: All Year Statistical Basis: None specified

CRG 0004 S-1-2-INSPECT1-5 - Solvent Cleaning Reqs

Group Members: ARE 0008 ARE 0009 ARE 0011 ARE 0012 ARE 0013 ARE 0014 ARE 0015

- 38 [LAC 33:II.2123.F] Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify exemption from LAC 33:III.2123. Maintain records for at least two years.

CRG 0005 O-12689 - Ovens O1, O2, O6, O8, and O9 Reqs

Group Members: EQT 0013EQT 0014EQT 0017EQT 0019EQT 0021

- 39 [LAC 33:II.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
- 40 [LAC 33:II.1313.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified

CRG 0006 O-347 - Ovens O3, O4, and O7 Reqs.

Group Members:

SPECIFIC REQUIREMENTS

AI ID: 168865 - National Oilwell Varco LP (owner) - Harvey Coating Facility
 Activity Number: PER20070001
 Permit Number: 1340-00233-02
 Air - Minor (Synthetic) Initial

CRG 0006 O-347 - Ovens O3, O4, and O7 Reqs.

EQT 0015EQT 0016EQT 0018

41 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

42 [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

43 [LAC 33:III.5107.A.2]

Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).

44 [LAC 33:III.5109.A.1]

Which Months: All Year Statistical Basis: None specified

Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

45 [LAC 33:III.2107.A.2]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

46 [LAC 33:III.2109.A.1]

MACT is determined to be use of compliant materials as specified in LAC 33:III.2123.C.11.b.

CRG 0007 T-345 - Storage Tanks 2, 3, 4, and 5 Reqs.

Group Members: EQT 0006EQT 0022EQT 0023EQT 0024

45 [LAC 33:III.2103.A]

Equip with a submerged fill pipe.

46 [LAC 33:III.2103.H.3]

Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.

GRP 0002 B1-5 CAP - Blasting Cap

Group Members: EQT 0007EQT 0008EQT 0009EQT 0010EQT 0011

47 [LAC 33:III.501.C.6]

The blast cabinets Operating time monitored by technically sound method continuously.

48 [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

49 [LAC 33:III.501.C.6]

The five blast cabinets' maximum Operating time <= 30000 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the five blast cabinets' maximum operating hours exceeds the maximum listed in this specific condition for any twelve consecutive month period.

50 [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: 12-month rolling sum
 Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating hours for the blast cabinets each month, as well as the total operating hours for the blast cabinets for the last twelve months. Retain these records and supporting calculations at the source, or at an alternate location approved by DEQ, for five years. Make records available for inspection by DEQ personnel.

GRP 0003 OVEN-COATCAP - Ovens, Coating and Cleaning Emissions Cap

Group Members: ARE 0003ARE 0004ARE 0005ARE 0006ARE 0007ARE 0008ARE 0009ARE 0010EQT 0006EQT 0013EQT 0014EQT 0015EQT 0017EQT 0018EQT 0019EQT 0020EQT 0021

50 [LAC 33:III.501.C.6]

Individual HAP <= 9,900 tons.
 Which Months: Phases: Statistical Basis: 12-month rolling sum

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SPECIFIC REQUIREMENTS

AI ID: 16865 - National Oilwell Varco LP (owner) - Harvey Coating Facility
Activity Number: PER20070001
Permit Number: 1340-00233-02
 Air - Minor (Synthetic) Initial

GRP 0003 OVEN-COATCAP - Ovens, Coating and Cleaning Emissions Cap

Combined totals of individual HAP <= 24.500 tons. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the combined totals of individual HAPs exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Which Months: All Year Statistical Basis: 12-month rolling sum

The total emissions of volatile organic compounds (VOCs), individual toxic air pollutants (TAP), the combined hazardous air pollutants (HAP) and the combined totals of all Toxic air pollutants (TAP)/Hazardous air pollutants (HAP) from the emission sources under this Cap shall not exceed 64.56 tons, 9.940 tons, 24.500 tons, and 42.64 tons, respectively, during any twelve consecutive month period.

Calculate the speciated emissions (Individual VOCs, HAP, and TAPs), based on the actual paint/solvent usage, using the same method used in estimating the emissions in the application (MSDS, mass balance, emission factors, test results, verifiable add-on control efficiencies, or the latest approved methods, etc.).

Noncompliance with any of these limitations is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if any of these annual emissions totals exceeds the corresponding maximum listed in this specific condition for twelve consecutive month period. Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total solvent usage each month and the totals of the corresponding speciated emissions, as well as the total solvent usage and the totals of the corresponding speciated emissions for the last twelve months.

Make records available for inspection by EPA and DEQ personnel. Retain these records and supporting calculations at the source, or at an alternate location approved by DEQ, for five years. Make records available for inspection by EPA and DEQ personnel.
Usage of Paint, Non-Organic, and Organic solvent monitored by technically sound method daily.
 Which Months: All Year Statistical Basis: None specified

UNF 0001 ENTIRE FACILITY - Harvey Coating Plant

Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33.III.111 or intensify an existing traffic hazard condition are prohibited.
 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33.III.1305.A.1-7.
 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33.III.2113.A.1-5.
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33.III.2123.F.1 through F.4 to verify compliance with LAC 33.III.2123. Maintain records for at least two years.

SPECIFIC REQUIREMENTS

AI ID: 16865 - National Oilwell Varco LP (owner) - Harvey Coating Facility
 Activity Number: PER20070001
 Permit Number: 1340-00233-02
 Air - Minor (Synthetic) Initial

UNF 0001 ENTIRE FACILITY - Harvey Coating Plant

Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.

Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.

If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.

Use of any material containing a TAP listed in Tables 51.1, 51.2, or 51.3 of LAC 33:III.5112 shall be permitted provided that its use does not cause the emissions, during any twelve consecutive month period, of total TAPs, individual HAPs, and combined HAPs to exceed 42,630 tons, 9,940 tons, and 24,500 tons, respectively. Total emission of any TAP for which this permit does not list a facility-wide limit shall be limited, during any twelve consecutive month period, to the Minimum Emission Rate (MER) for that TAP as listed in Table 51.1 of LAC 33:III.5112. These emissions shall be calculated by the same methods initially used in estimating these emissions, or using the latest approved suitable methods (mass balance, MSDS sheets, emission factors, test results, etc.). Noncompliance with any of these limitations is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if any of the annual total TAPs exceeds the corresponding maximum listed in this specific condition for any twelve consecutive month-period.

VOC, Total \leq 87.02 tons. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total VOCs emissions exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Retain these records and supporting calculations at the source, or at an alternate location approved by DEQ, for five years. Make records available for inspection by EPA and DEQ personnel.

Which Months: All Year Statistical Basis: 12-month rolling sum
 Combined emission totals of all hazardous air pollutants, HAP \leq 24.50 tons. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total emissions of all hazardous air pollutants (HAPs) exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Calculate and speciate the HAPs, based on the actual paint/solvent usage, using the same method used in estimating the emissions in the application (MSDS, mass balance, emission factors, test results, verifiable add-on control efficiencies, or the latest approved methods, etc.).
 Which Months: All Year Statistical Basis: 12-month rolling sum

SPECIFIC REQUIREMENTS

AI ID: 16865 - National Oilwell Varco LP (owner) - Harvey Coating Facility
Activity Number: PER20070001
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Air - Minor (Synthetic) Initial

UNF 0001 ENTIRE FACILITY - Harvey Coating Plant

65 [LAC 33:III.501.C.6] Total emissions of Toxic air pollutants (TAP) <= 42.63 tons. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total of all toxic air pollutants (TAPs) emissions exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Calculate and speciate the TAPs, based on the actual paint/solvent usage, using the same method used in estimating the emissions in the application (MSDS, mass balance, emission factors, test results, verifiable add-on control efficiencies, or the latest approved methods, etc.).

Which Months: All Year Statistical Basis: 12-month rolling sum

Total emissions of any individual HAP <= 9.940 appropriate units.

Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total emissions of any individual exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Which Months: All Year Statistical Basis: 12-month rolling sum
HAP recordkeeping by electronic or hard copy monthly. Keep records of the totals of individual and combined hazardous air pollutants (HAPs) emissions each month, as well as the totals of individual and combined hazardous air pollutants (HAPs) emissions for the last twelve months.

Retain these records and supporting calculations at the source, or at an alternate location approved by DEQ, for five years. Make records available for inspection by EPA and DEQ personnel.

Usage of Paint, Non-Organic, and Organic solvent monitored by technically sound method upon each occurrence.

Which Months: All Year Statistical Basis: None Specified

Toxic air pollutants (TAP) recordkeeping by electronic or hard copy monthly. Keep records of the totals of individual and combined toxic air pollutants (TAPs) each month, as well as the totals of individual and combined toxic air pollutants (TAPs) for the last twelve months.

Retain these records and supporting calculations at the source, or at an alternate location approved by DEQ, for five years. Make records available for inspection by DEQ personnel.
VOC, Total recordkeeping by electronic or hard copy monthly. Keep records of the total VOCs emissions each month, as well as the total VOCs emissions for the last twelve months.

Retain these records and supporting calculations at the source, or at an alternate location approved by DEQ, for five years. Make records available for inspection by EPA and DEQ personnel.

Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51 Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.

Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.

Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.

SPECIFIC REQUIREMENTS

AI ID: 16865 - National Oilwell Varco LP (owner) - Harvey Coating Facility
 Activity Number: PER20070001
 Permit Number: 1340-00233-02
 Air - Minor (Synthetic) Initial

UNF 0001 ENTIRE FACILITY - Harvey Coating Plant

- 74 [LAC 33:III.5107.A.2] Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.
 Submit Annual Emissions Report: Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.

75 [LAC 33:III.5107.A] Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).

76 [LAC 33:III.5107.B.11] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923.

77 [LAC 33:III.5107.B.2] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931. Submit notification in the manner provided in LAC 33:I.3923.

78 [LAC 33:III.5107.B.3] Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.i through B.4.a.viii.

79 [LAC 33:III.5107.B.4] Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.

80 [LAC 33:III.5107.B.5] Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.

81 [LAC 33:III.5113.A.1] Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.

82 [LAC 33:III.5113.A.2] Comply with the Louisiana General Conditions as set forth in LAC 33:III.537.

83 [LAC 33:III.537] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.

84 [LAC 33:III.5611.A] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.

SPECIFIC REQUIREMENTS

AJ ID: 16865 - National Oilwell Varco LP (owner) - Harvey Coating Facility
Activity Number: PER20070001
Permit Number: 1340-00233-02
Air - Minor (Synthetic) Initial

UNF 0001 ENTIRE FACILITY - Harvey Coating Plant

Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded.

Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III:919.A-D.

86 [LAC 33:III:905]

87 [LAC 33:III:919.D]